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Constraints

Oven space: 140
 Prep time: 15 hrs
 Dough 110 lbs
 Icing 32 lbs

	<u>Plain</u>	<u>Iced</u>
1 lb Dough	0.7 Dough	
0.1 hrs.	0.4 Icing	
0 Icing	0.15 hrs.	

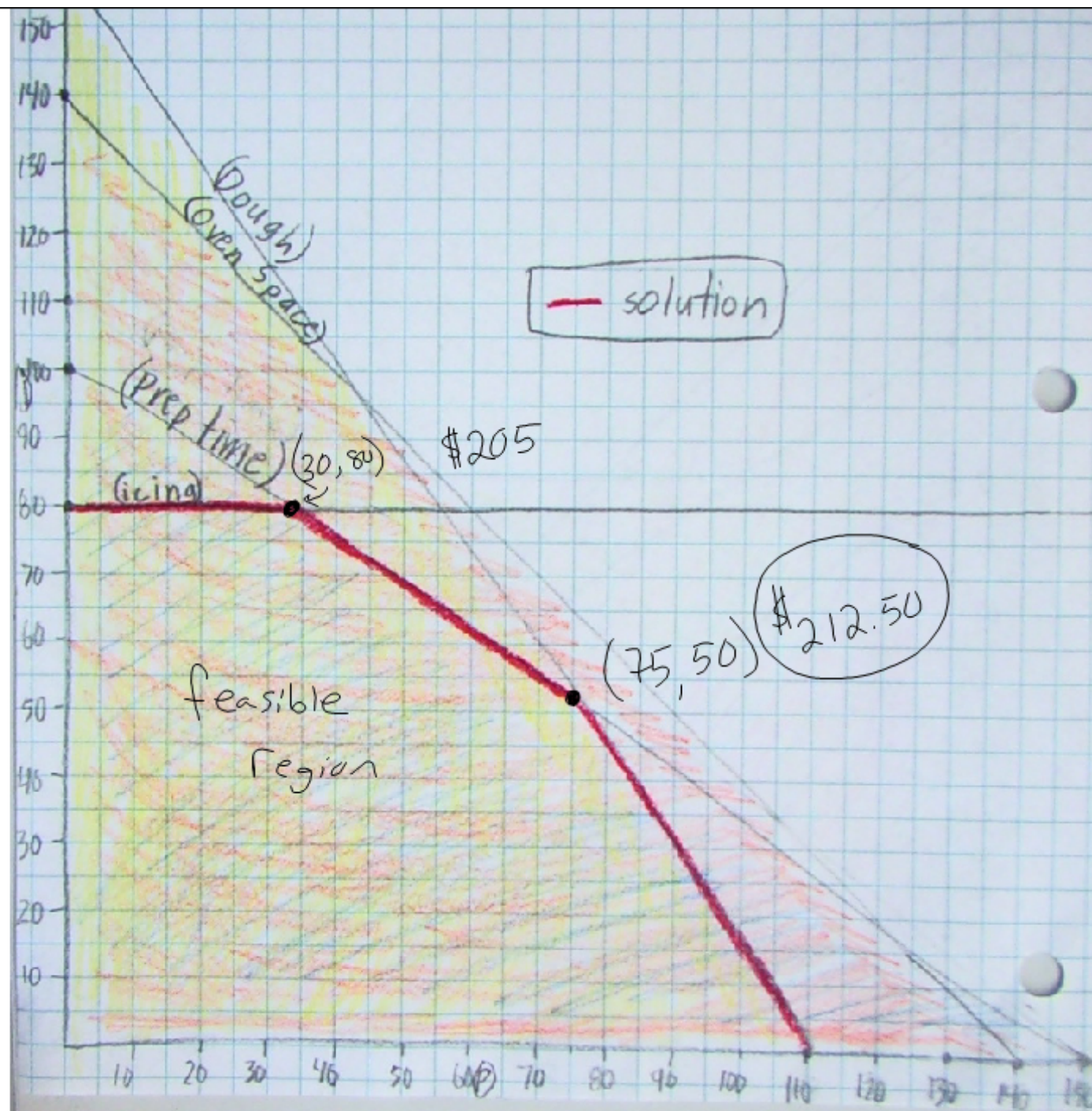
Profit

cost \$4.50 Plain, \$5.00 iced
 sell \$6.00 Plain, \$7.00 iced

$M = 1.5P + 2I$

$P = x$
 $I = y$

Done



Homework, do # 1, 2 ↘

Dietary Requirement

Maria is planning a snack of graham crackers and blueberry yogurt. Because she is concerned about nutrition, she wants to make sure that she eats less than 700 calories and not more than 20 g of fat with this snack. She would like at least 17 g of protein and at least 30% of the daily requirement of iron. The information of each snack is below:

	Serving	Calories	Fat	Protein	Iron
Graham Crackers	1 cracker	60	2g	2g	6%
Blueberry Yogurt	4.5 oz	130	2g	2g	1%

1. Create an inequality for each constraint.
2. Create a feasible region.
3. If Maria was in a hurry and wanted to eat the least amount of food, how much should she eat of each serving and still meet the requirements?
4. If Maria had a lot of time and wanted to eat the most amount of food, how much should she eat of each serving and still meet the requirements?